

WHAT IS CLAIMED IS:

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1. A liquid crystal display device, comprising:
a first substrate;
a second substrate; and
a liquid crystal layer interposed between the first substrate and the second substrate, wherein
the first substrate includes a plurality of switching elements, a plurality of picture element electrodes connected to the plurality of the switching elements and a plurality of color filters which are arranged so as to correspond to the plurality of the picture element electrodes on an area of the first substrate corresponding to a display region of the liquid crystal display device, and a light shielding frame layer around a periphery of the display region.
2. A liquid crystal display device according to claim 1, the first substrate further including light shielding layers on the switching elements, for shielding light incident to the switching elements.
- sub C2 3. A liquid crystal display device according to claim 2, wherein the light shielding layers and the light shield-

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ing frame layer are made of a same material.

C2 4. A liquid crystal display device according to claim 2, wherein the light shielding layers and the light shielding frame layer are formed through an electrochemical reaction.

5. A liquid crystal display device according to claim 1, wherein the light shielding frame layer includes a plurality of colored layers of different colors.

6. A liquid crystal display device according to claim 1, wherein the plurality of colored layers of different colors are made from material used to form the plurality of color filters.

Sub C3 7. A liquid crystal display device according to claim 1, wherein the first substrate further comprises a driving circuit for driving the switching elements, and the light shielding frame layer is formed over the driving circuit.

Sub A1 8. A liquid crystal display device, comprising:
a first substrate;
a second substrate; and

a liquid crystal layer interposed between the first substrate and the second substrate, wherein

the first substrate includes a plurality of switching elements, a plurality of picture element electrodes connected to the plurality of the switching elements and light shielding layers on the switching elements on an area of the first substrate corresponding to a display region of the liquid crystal device, and a light shielding frame layer around a periphery of the display region.

9. A liquid crystal display device according to claim 8, wherein the light shielding layers and the light shielding frame layer are made of a same material.

10. A method for producing a liquid crystal display device including a first substrate, a second substrate and a liquid crystal layer interposed between the first substrate and the second substrate, the method comprising the steps of forming a plurality of switching elements, a plurality of picture element electrodes connected to the plurality of the switching elements and a plurality of color filters which are arranged so as to correspond to the plurality of the picture element electrodes on an area of the first substrate corresponding to a display

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region of the liquid crystal display device, and a light shielding frame layer on the first substrate around a periphery of the display region.

11. A method for producing a liquid crystal display device according to claim 10, wherein the step of forming the color filters and the step of forming the light shielding frame layer are conducted as the same step.

12. A method for producing a liquid crystal display device according to claim 10, wherein the method further comprises a step of forming light shielding layers on the first substrate.

13. A method for producing a liquid crystal display device according to claim 12, wherein the step of forming the light shielding layers and the step of forming the light shielding frame layer are conducted as the same step.

14. A method for producing a liquid crystal display device according to claim 12, wherein the step of forming the light shielding layer and the step of forming the light shielding frame layer employ an electrochemical

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reaction.

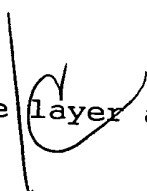
15. A method for producing a liquid crystal display device according to claim 10, wherein the step of forming the light shielding frame layer includes a step of superimposing, at least partially, a plurality of colored layers of different colors.

16. A method for producing a liquid crystal display device including a first substrate, a second substrate and a liquid crystal layer interposed between the first substrate and the second substrate, the method comprising the steps of forming a plurality of switching elements, a plurality of picture element electrodes connected to the plurality of the switching elements and light shielding layers on the switching elements on an area of the first substrate corresponding to a display region of the liquid crystal display device, and a light shielding frame layer on the first substrate around a periphery of the display region.

17. A method for producing a liquid crystal display device according to claim 16, wherein the step of forming light shielding layers and the step of forming the light

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shielding frame  layer are conducted as the same step.


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